



ecology and environment engineering, p.c.

International Specialists in the Environment

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April 5, 2011

Mr. William Welling, Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233 - 7013

Re: Mr. C's Dry Cleaners Site, Contract # D004442.DC13, Site # 9-15-157
March 2011 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the March 2011 Operations, Maintenance, and Monitoring (OM&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 9-15-157, located in East Aurora, New York. Copies of weekly inspection reports prepared by EEEPC's subcontractor, Iyer Environmental Group, PLLC (IEG) are provided in Attachment A. Selected pages from the individual analytical data package prepared by Mitkem Laboratories, Inc. (MLI) are provided as Attachments B. The full analytical report along with QA/QC information will be retained by EEEPC. Remedial treatment system utility costs for the Mr. C's and Agway sites are provided as Attachment C.

In review of the on-site treatment system operations, monitoring and maintenance for March 2011, EEEPC offers the following comments and highlights:

Operational Summary

Mr. C's Site – Remedial Operations Information

- Checklists for weekly system inspections from IEG are provided as Attachment A for 3/7, 3/16, 3/21, and 3/29/2011.
- Based on the weekly inspection results performed by IEG, the remedial treatment system had a 100.00% operational up-time (Table 1) for March 2011 and the treatment of contaminated groundwater totaling of 345,421 gallons (Table 2).
- The analytical samples for the monthly compliance were taken on March 2, 2011. The sampling results were received by EEEPC on March 24, 2011.
- Excerpts from the Analytical Data packages for the sampling events are presented in Attachments B.

Table 1
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
System Operational Time

Month	Reporting Hours	Operational Up-time
(Up-time from inception to 1/5/11)	70,656.50	96.11%
January 5, 2011 - February 1, 2011	648	100.00%
February 1, 2011 - March 7, 2011	840	100.00%
March 7, 2011 - March 29, 2011	528	100.00%
Total Hours from System Startup '2/02'	72,672.50	
Average Operational Up-time from startup =		96.22%
Average Operational Up-time for 2011 =		100.00%

NOTES:

1. Up-time based as percentage of total reporting hours
2. Treatment system operated by the Tyree Organization Ltd. from 9/02-9/03.
3. Treatment system operated by O&M Enterprises Inc. from 10/03 - 7/07.
4. Treatment system operated by Iyer Environmental Group from 7/07 to present

Table 2
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Monthly Process Water Volumes

Month	Actual Period	Gallons (Treated Effluent)
Total - Inception to December 2010	9/5/02 - 1/5/11	114,331,011
January 2011 ³	1/5/11 - 2/1/11	369,337
February 2011 ³	2/1/11 - 3/7/11	472,292
March 2011 ³	3/7/11-3/29/11	345,421
April 2011 ³		
May 2011 ³		
June 2011 ³		
July 2011 ³		
August 2011 ³		
September 2011 ³		
October 2011 ³		
November 2011 ³		
December 2011 ³		
Total Gallons Treated in 2011		1,187,050
Total Gallons Treated To Date:		115,518,061

NOTES:

1. System operated by Tyree Organization Ltd. From 9/02 - 9/03
2. System operated by O&M Enterprises from 10/03 - 7/07
3. System operated by IEG PLLC from 7/07 - present

Table 3
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Effluent Discharge Criteria & Analytical Compliance Results

Parameter/Analyte	Daily Maximum	Units	March 2, 2011 - Effluent Analytical Values - Compliance
Flow	N/A	gpd	15,700.95
pH	6.0 - 9.0	standard units	8.20
1,1 Dichloroethene	10	µg/L	ND(<1.0)
1,1 Dichloroethane	10	µg/L	ND(<1.0)
cis-1,2-dichloroethene	10	µg/L	ND(<1.0)
Trichloroethene	10	µg/L	ND(<1.0)
Tetrachloroethene	10	µg/L	ND(<1.0)
Vinyl Chloride	10	µg/L	ND(<1.0)
Benzene	5	µg/L	ND(<1.0)
Ethylbenzene	5	µg/L	ND(<1.0)
Methylene Chloride	10	µg/L	ND(<1.0)
1,1,1 Trichloroethane	10	µg/L	ND(<1.0)
Toluene	5	µg/L	ND(<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	µg/L	ND(<1.0)
o-Xylene ³	5	µg/L	NA
m, p-Xylene ³	10	µg/L	NA
Total Xylenes	NA	µg/L	ND(<1.0)
Iron, total	600	µg/L	NA ⁹
Aluminum	4,000	µg/L	NA ⁹
Copper	48	µg/L	NA ⁹
Lead	10	µg/L	NA ⁹
Manganese	2,000	µg/L	NA ⁹
Silver	100	µg/L	NA ⁹
Vanadium	28	µg/L	NA ⁹
Zinc	250	µg/L	NA ⁹
Total Dissolved Solids	850	mg/L	NA ⁹
Total Suspended Solids	20	mg/L	NA ⁹
Hardness	N/A	mg/l	650
Cyanide, Free	10	µg/L	NA ⁹

NOTES:

1. "Daily Maximum" excerpted from Attachment E of Addendum I to the Construction Contract Documents dated October 2000.
2. Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
3. Shaded cells indicate that analytical value exceeds the "Daily Maximum"
4. "ND" indicates that the compound was not detected and lists the practical quantitation limit in parentheses.
5. "NA" indicates that analyses were not performed and data is unavailable.
6. Average flows based on effluent readings taken March 7, 2011 through March 29, 2011. Total gallons: 345,421 divided by 22 operating days (528 actual operating hours).
7. "J" indicates an estimated value below the detection limit.
8. "B" indicates analyte found in the associated blank.
9. Removed from the required analysis list by NYSDEC Region 9 in February 2005.

40 Indicates non-compliance with the NYSDEC effluent discharge requirements
NR Indicates Not Reported by Lab

Table 4
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #9-15-157
March 2011 VOC Analytical Summary

Compound	Based on the 3/2/11 Effluent Sampling Results		
	Influent Concentration* (ug/L)	Effluent Concentration* (ug/L)	Cleanup Efficiency** (%)
Acetone	ND (<50.0)	ND (<5.0)	NA
Benzene	ND (<10.0)	ND (<1.0)	NA
2-Butanone	ND (<50.0)	ND (<5.0)	NA
cis-1, 2-Dichloroethene	49.0	ND (<1.0)	100.00%
Methylene chloride	ND (<10.0)	ND (<1.0)	NA
Methyl tert-butyl ether (MTBE)	11	ND (<1.0)	100.00%
Tetrachloroethene	1400.0	ND (<1.0)	100.00%
Toluene	ND (<10.0)	ND (<1.0)	NA
Trichloroethene	81.0	ND (<1.0)	100.00%
Carbon Disulfide	ND (<10.0)	ND (<1.0)	NA
1,1,2 Trichloro-1,2,2-trifluoroethane	ND (<10.0)	ND (<1.0)	NA
Cyclohexane	ND (<10.0)	ND (<1.0)	NA
trans-1,2-dichloroethene	ND (<10.0)	ND (<1.0)	NA
Chlorobenzene	ND (<10.0)	ND (<1.0)	NA
Methylcyclohexane	ND (<10.0)	ND (<1.0)	NA
Methyl acetate	ND (<10.0)	ND (<1.0)	NA
Total Xylenes	ND (<10.0)	ND (<1.0)	NA
March 2011 TOTALS (in ug/L) =	1541.0	0.00	100.00%

- Notes:
1. "NA" = Not applicable
 2. "ND" or "U" = Compound analyzed, but was not detected. Detection limit in parentheses
 3. "J" indicates an estimated value below the practical quantitation limit but above the method detection limit.
 4. Non-detect values are assumed to be equal to zero for calculation of monthly average concentrations.
 5. "D" = Compounds identified in analysis required secondary dilution factoring.
 6. "B" indicates analyte found in the associated blank.

* (<50) - Detection Limit
 ** Contaminants of Concern only

Table 5
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Monthly VOCs Removed From Groundwater

Month	Actual Period	Influent VOCs (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
Total pounds of VOCs removed from inception to December 2010 =				1479.64
January 2011	1/5/2011 - 2/1/2011	1035.3	3.81	4.15
February 2011	2/1/2011 - 3/7/2011	1310.0	0.73	4.44
March 2011	3/7/2011 - 3/29/2011	1541.0	0.00	4.44
April 2011				
May 2011				
June 2011				
July 2011				
August 2011				
September 2011				
October 2011				
November 2011				
December 2011				
Total pounds of VOCs removed from inception =				1,492.67
Total pounds of VOCs removed in 2011 =				13.03

HISTORICAL NOTES:

1. Calculations are based on monthly water samples and assumes samples are representative of the entire reporting period.
2. Calculations assume that non-detect values = 0 µg/L.
3. Total VOCs summations include estimated "J" values.
4. Calculations are based on effluent totalizer readings.
5. "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
6. No samples were collected in September 2003. August 2003 values are used.
7. Treatment system operated by Tyree Organization, Ltd. from 9/02 to 9/03.
8. Treatment system operated by O&M Enterprises from 10/03 to 7/07.
9. Treatment system operated by IEG from 7/07 to present.

CONVERSIONS:

1 pound = 453.5924 grams
1 gallon = 3.785 liters

Based on the Analytical Results from Each Month:

Pounds of VOCs removed calculated by the following formula:

$$(VOCs_{Influent} - VOCs_{Effluent})(\mu g/L) \cdot (1g/10^6 \mu g) \cdot (1 lb/453.5924 g) \cdot (Monthly \ process \ water)(gal) \cdot (3.785 L/gallon)$$

Attachment A
IEG Weekly Inspection Reports
March 2011

Including:

3/7/11

3/16/11

3/21/11

3/29/11

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: 7-Mar-11 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Sunny, cold OUTSIDE TEMPERATURE (° F): 22

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: If "NO", provide explanation below
PW-4, PW-5 and PW-8 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>8</u> ft	PW-5	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>13</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>6</u> ft	PW-6	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>5</u> ft	PW-7	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>6</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>19</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>20</u> ft

EQUALIZATION TANK: 4 ft Last Alarm DIT/Condition: 3/2/11 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 24 gpm INFLUENT TOTALIZER READING: 4,516,000.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 8 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 13.5 gallons
 SEQUESTERING AGENT FEED RATE: 8.0 ml/min METERING PUMP PRESSURE: 3.5 psi

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	<u>0</u>	<u>0</u> psi	RIGHT:	<u>6</u>	<u>0</u> psi

INFLUENT FEED PUMP IN USE: #1 #2 _____ INFLUENT PUMP PRESSURE: 14 psi

AIR STRIPPER BLOWER IN USE: #1 _____ #2 AIR STRIPPER PRESSURE: 14.0 in. H₂O
 AIR STRIPPER DIFFERENTIAL PRESSURE: 0.022 in. H₂O DISCHARGE PRESSURE: 3.6 in. H₂O

EFFLUENT PUMP IN USE: #1 _____ #2 EFFLUENT FEED PUMP PRESSURE: 8.0 psi
 EFFLUENT FLOW RATE: 114 gpm EFFLUENT TOTALIZER READING: 62,941,004 270780 gallons

ARE BUILDING HEATERS IN USE? YES: NO: _____ INSIDE TEMPERATURE (° F): 59

IS SUMP PUMP IN USE: YES: NO: _____ ARE ANY LEAKS PRESENT? YES: _____ NO:
 WATER LEVEL IN SUMP: 5.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

7-Mar-11

SAMPLES COLLECTED? YES: _____ NO: ✓

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	_____	_____	_____	_____	_____	_____
AIR STRIPPER EFFLUENT:	_____	_____	_____	_____	_____	_____

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS: ? YES: _____ NO: ✓

WERE MANHOLES INSPECTED? YES: ✓ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: ✓ NO: _____

IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? YES: ✓ NO: _____

If yes, provide manhole/electric box ID and description of any corrective measures below:

Most MWs and UEs are covered with ice or snow.

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks: _____

Other Actions: Emptied old Redux drum into present drum. Have (2) full drums.

AGWAY

SYSTEM VACUUM: <u> -25 </u> in. H ₂ O			AIR PRESSURE: <u> 10 </u> psi		
SP-1: <u> 10.0 </u> scfm	<u> 2.5 </u> psi		SP-5: <u> 0.0 </u> scfm	<u> 28.5 </u> psi	
SP-2: <u> 0.0 </u> scfm	<u> 8.0 </u> psi		SP-6: <u> 0.0 </u> scfm	<u> > 30 </u> psi	
SP-3: <u> 0.0 </u> scfm	<u> 7.5 </u> psi		SP-7: <u> 0.0 </u> scfm	<u> > 30 </u> psi	
SP-4: <u> 0.0 </u> scfm	<u> 8.0 </u> psi		SP-8: <u> 0.0 </u> scfm	<u> > 30 </u> psi	

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE

Remarks: _____

Other Actions: _____

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: 16-Mar-11 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Cloudy, cool OUTSIDE TEMPERATURE (° F): 35

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: If "NO", provide explanation below

PW-4, PW-5 and PW-8 are OFF due to maintenance problems.

PW-2 remains ON at level 13.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>7</u> ft	PW-5	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>12</u> ft
PW-2	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>13</u> ft	PW-6	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>4</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>6</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>19</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>19</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 3/2/11 Air Stripper Low Level

NOTES: Turned PW-5 ON, tested OK for cycling ON and OFF. Left ON

INFLUENT FLOW RATE: 16 gpm INFLUENT TOTALIZER READING: 4,756,765.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 1 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 2 gallons

SEQUESTERING AGENT FEED RATE: 5.0 ml/min METERING PUMP PRESSURE: 3.5 psi

BAG FILTER PRESSURES:	LEFT:	Top	Bottom	RIGHT:	Top	Bottom
		<u>34</u>	<u>0</u> psi		<u>39 - 40</u>	<u>0</u> psi

INFLUENT FEED PUMP IN USE: #1 #2 _____ INFLUENT PUMP PRESSURE: 14 psi

AIR STRIPPER BLOWER IN USE: #1 _____ #2 AIR STRIPPER PRESSURE: 16.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.022 in. H₂O DISCHARGE PRESSURE: 3.4 in. H₂O

EFFLUENT PUMP IN USE: #1 _____ #2 EFFLUENT FEED PUMP PRESSURE: 8.5 psi

EFFLUENT FLOW RATE: 114 gpm EFFLUENT TOTALIZER READING: 63,086,180 419300 gallons

ARE BUILDING HEATERS IN USE? YES: NO: _____ INSIDE TEMPERATURE (° F): 62

IS SUMP PUMP IN USE: YES: NO: _____ ARE ANY LEAKS PRESENT? YES: _____ NO:

WATER LEVEL IN SUMP: 6.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

16-Mar-11

SAMPLES COLLECTED? YES: _____ NO: ✓

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	_____	_____	_____	_____	_____	_____
AIR STRIPPER EFFLUENT:	_____	_____	_____	_____	_____	_____

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS: ? YES: _____ NO: ✓
 WERE MANHOLES INSPECTED? YES: ✓ NO: _____
 WERE ELECTRICAL BOXES INSPECTED? YES: ✓ NO: _____
 IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? YES: ✓ NO: _____

If yes, provide manhole/electric box ID and description of any corrective measures below:

PW-4 and PZ-4B have collapsed inner rings. Some MWs are covered with snow piles.

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks:

Other Actions: Switched Redux pickup to new drum. Have (2) full drums.

Change bag filters.

AGWAY

SYSTEM VACUUM: <u>-24</u> in. H ₂ O			AIR PRESSURE: <u>40</u> psi		
SP-1: <u>9.5</u> scfm	<u>2.5</u> psi		SP-5: <u>0.0</u> scfm	<u>28.5</u> psi	
SP-2: <u>0.0</u> scfm	<u>6.0</u> psi		SP-6: <u>1.0</u> scfm	<u>> 30</u> psi	
SP-3: <u>0.0</u> scfm	<u>6.5</u> psi		SP-7: <u>0.0</u> scfm	<u>> 30</u> psi	
SP-4: <u>0.0</u> scfm	<u>6.5</u> psi		SP-8: <u>0.0</u> scfm	<u>> 30</u> psi	

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE

Remarks: Emptied (22) gals from SVE drum.

Other Actions:

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: 21-Mar-11 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Cloudy, cool OUTSIDE TEMPERATURE (°F): 40

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: If "NO", provide explanation below
PW-4 and PW-8 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>5</u> ft	PW-5	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft
PW-2	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>5</u> ft	PW-6	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>4</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>4</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>20</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>19</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 3/2/11 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 14 gpm INFLUENT TOTALIZER READING: 4,881,105.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 22 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 37.5 gallons

SEQUESTERING AGENT FEED RATE: 7.0 ml/min METERING PUMP PRESSURE: 3.5 psi

BAG FILTER PRESSURES:	LEFT:	Top	Bottom	RIGHT:	Top	Bottom
		<u>0</u>	<u>0</u> psi		<u>25 - 6</u>	<u>0</u> psi

INFLUENT FEED PUMP IN USE: #1 #2 _____ INFLUENT PUMP PRESSURE: 14 psi

AIR STRIPPER BLOWER IN USE: #1 _____ #2 AIR STRIPPER PRESSURE: 15.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.023 in. H₂O DISCHARGE PRESSURE: 3.5 in. H₂O

EFFLUENT PUMP IN USE: #1 _____ #2 EFFLUENT FEED PUMP PRESSURE: 8.5 psi

EFFLUENT FLOW RATE: 110 gpm EFFLUENT TOTALIZER READING: 63,161,000 495860 gallons

ARE BUILDING HEATERS IN USE? YES: NO: _____ INSIDE TEMPERATURE (°F): 65

IS SUMP PUMP IN USE: YES: NO: _____ ARE ANY LEAKS PRESENT? YES: _____ NO:

WATER LEVEL IN SUMP: 7.5 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

21-Mar-11

SAMPLES COLLECTED? YES: _____ NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	_____	_____	_____	_____	_____	_____
AIR STRIPPER EFFLUENT:	_____	_____	_____	_____	_____	_____

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS? YES: _____ NO:

WERE MANHOLES INSPECTED? YES: NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: NO: _____

IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? YES: _____ NO:

If yes, provide manhole/electric box ID and description of any corrective measures below:

PW-4 and PZ-4B have collapsed inner rings. PZ-3C is under gravel that was spread in the parking lot.

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks: The parking lot north of the Agway Shed has been covered with gravel.

Other Actions: Shoveled sand and spruce needles off of Library Parking Lot.

Found and uncovered PZ-3C in gravel parking lot.

Picked up trash around groups: PW-4, PW-5, PW-6, PW-7 and PW-8.

AGWAY

SYSTEM VACUUM: <u>-24</u> in. H ₂ O				AIR PRESSURE: <u>85</u> psi			
SP-1:	<u>9.5</u>	scfm	<u>2.5</u> psi	SP-5:	<u>0.0</u>	scfm	<u>28.5</u> psi
SP-2:	<u>0.0</u>	scfm	<u>6.0</u> psi	SP-6:	<u>1.2</u>	scfm	<u>> 30</u> psi
SP-3:	<u>0.0</u>	scfm	<u>6.0</u> psi	SP-7:	<u>0.0</u>	scfm	<u>> 30</u> psi
SP-4:	<u>0.0</u>	scfm	<u>6.5</u> psi	SP-8:	<u>0.0</u>	scfm	<u>> 30</u> psi

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE

Remarks: Drained (18) gals from SVE drum.

Other Actions:

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: 29-Mar-11 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Sunny, cold OUTSIDE TEMPERATURE (° F): 30

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: If "NO", provide explanation below

PW-4 and PW-8 are OFF due to maintenance problems.

PW-5 does not cycle; it draws down and runs dry continuously. Turned OFF.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <input checked="" type="checkbox"/>	OFF: <u>9</u> ft	PW-5	ON: <input checked="" type="checkbox"/>	OFF: <u>5</u> ft
PW-2	ON: <input checked="" type="checkbox"/>	OFF: <u>15</u> ft	PW-6	ON: _____	OFF: <input checked="" type="checkbox"/> <u>5</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>6</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>19</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>19</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 3/2/11 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 16 gpm INFLUENT TOTALIZER READING: 5,088,620.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 17 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 29 gallons

SEQUESTERING AGENT FEED RATE: 5.0 ml/min METERING PUMP PRESSURE: 3.5 psi

BAG FILTER PRESSURES:		Top	Bottom		Top	Bottom
	LEFT:	<u>38</u>	<u>0</u> psi	RIGHT:	<u>43</u>	<u>0</u> psi

INFLUENT FEED PUMP IN USE: #1 #2 _____ INFLUENT PUMP PRESSURE: 14 psi

AIR STRIPPER BLOWER IN USE: #1 _____ #2 AIR STRIPPER PRESSURE: 16.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.023 in. H₂O DISCHARGE PRESSURE: 3.4 in. H₂O

EFFLUENT PUMP IN USE: #1 _____ #2 EFFLUENT FEED PUMP PRESSURE: 11.0 psi

EFFLUENT FLOW RATE: 105 gpm EFFLUENT TOTALIZER READING: 63,286,425 624310 gallons

ARE BUILDING HEATERS IN USE? YES: NO: _____ INSIDE TEMPERATURE (° F): 59

IS SUMP PUMP IN USE: YES: NO: _____ ARE ANY LEAKS PRESENT? YES: _____ NO:

WATER LEVEL IN SUMP: 7.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

29-Mar-11

SAMPLES COLLECTED? YES: _____ NO: ✓

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	_____	_____	_____	_____	_____	_____
AIR STRIPPER EFFLUENT:	_____	_____	_____	_____	_____	_____

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS? YES: _____ NO: ✓
 WERE MANHOLES INSPECTED? YES: ✓ NO: _____
 WERE ELECTRICAL BOXES INSPECTED? YES: ✓ NO: _____
 IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? YES: _____ NO: ✓

If yes, provide manhole/electric box ID and description of any corrective measures below:

PW-4 and PZ-4B have collapsed rings. Snow is covering some of the MWs.

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks: _____

Other Actions: Emptied old Redux drum into present drum. Have (1) full drum.

Changed bag filters.

AGWAY

SYSTEM VACUUM: <u>-24</u> in. H ₂ O			AIR PRESSURE: <u>115</u> psi		
SP-1: <u>> 10</u> scfm	<u>2.5</u> psi		SP-5: <u>0.0</u> scfm	<u>29.0</u> psi	
SP-2: <u>0.0</u> scfm	<u>17.0</u> psi		SP-6: <u>1.1</u> scfm	<u>> 30</u> psi	
SP-3: <u>0.0</u> scfm	<u>16.5</u> psi		SP-7: <u>0.0</u> scfm	<u>> 30</u> psi	
SP-4: <u>0.0</u> scfm	<u>17.0</u> psi		SP-8: <u>0.0</u> scfm	<u>> 30</u> psi	

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE

Remarks: Drained (4) gals from SVE drum.

Other Actions: _____

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: PIEZOMETER WATER LEVEL LOG

Date: 22-Mar-11

Measurements taken by: R. Allen

RW-1	<u>15.70</u> ft	Comments:	
PZ-1A	<u>10.20</u> ft	Comments:	
PZ-1B	<u>9.70</u> ft	Comments:	
PZ-1C	<u>11.13</u> ft	Comments:	
PZ-1D	<u>11.24</u> ft	Comments:	
PW-2	<u>18.70</u> ft	Comments:	
PZ-2A	<u>25.67</u> ft	Comments:	
PZ-2B	<u>10.18</u> ft	Comments:	
PZ-2C	<u>9.68</u> ft	Comments:	
MW-7	<u>12.02</u> ft	Comments:	Substitute for 2D
PW-3	<u>19.60</u> ft	Comments:	
PZ-3A	<u>10.30</u> ft	Comments:	
PZ-3B	<u>10.38</u> ft	Comments:	
PZ-3C	<u>10.85</u> ft	Comments:	
PZ-3D	<u>10.39</u> ft	Comments:	
PW-4	<u>-----</u> ft	Comments:	damagd ring
PZ-4A	<u>10.61</u> ft	Comments:	
PZ-4B	<u>-----</u> ft	Comments:	damaged ring
PZ-4C	<u>-----</u> ft	Comments:	damaged / sealed
PZ-4D	<u>8.39</u> ft	Comments:	

PW-5	<u>11.20</u> ft	Comments:	
PZ-5A	<u>9.48</u> ft	Comments:	
PZ-5B	<u>9.73</u> ft	Comments:	
PZ-5C	<u>9.31</u> ft	Comments:	
PZ-5D	<u>10.10</u> ft	Comments:	
PW-6	<u>20.30</u> ft	Comments:	
PZ-6A	<u>10.82</u> ft	Comments:	
PZ-6B	<u>10.62</u> ft	Comments:	
PZ-6C	<u>10.91</u> ft	Comments:	
PZ-6D	<u>10.51</u> ft	Comments:	Shown as RW-2 on map
PW-7	<u>18.00</u> ft	Comments:	
MPI-6S	<u>10.30</u> ft	Comments:	
PZ-7B	<u>10.69</u> ft	Comments:	
OW-B	<u>10.45</u> ft	Comments:	
PZ-7D	<u>10.25</u> ft	Comments:	
PW-8	<u>17.40</u> ft	Comments:	
PZ-8A	<u>7.24</u> ft	Comments:	
PZ-8B	<u>7.15</u> ft	Comments:	
PZ-8C	<u>6.78</u> ft	Comments:	
PZ-8D	<u>7.12</u> ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS

RW-1 pump on? Yes No
PW-2 pump on? Yes No
PW-3 pump on? Yes No
PW-4 pump on? Yes No

PW-5 pump on? Yes No
PW-6 pump on? Yes No
PW-7 pump on? Yes No
PW-8 pump on? Yes No

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 03/2011

DATE	ACTIVITY
1-Mar	OM&M Weekly Inspection and Sampling.
2-Mar	End of month summaries. Shut down system for Air Stripper repair.
3-Mar	Repair Air Stripper
4-Mar	Start system. PW-5 clean transducer. Change bag filters.
7-Mar	OM&M Weekly Inspection.
16-Mar	OM&M Weekly Inspection
17-Mar	Change bag filters. Switch Redux pickup to new drum. Office work.
21-Mar	OM&M Weekly Inspection and office work
22-Mar	Shovel sand and spruce needles off of Library parking lot. Piezometer Readings. Pick up trash around groups PW-4, PW-5, PW-6, PW-7 and PW-8.
29-Mar	Weekly Inspection. Change bag filters.

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 03/2011

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Replace SVE Vacuum Drum	Present Vacuum Drum inside Agway Shed is corroded. Replace drum.	To be ordered
AS / SVE System Evaluation	Agway Shed - test & evaluate air sparge system and Soil Vapor Extraction system. Installed fittings to measure pressure and flow. Tested air sparging and SVE lines.	in progress
PW-4 Well Repair and Level	Asphalt around PW-4 well has sunk, due to collapse of corroded inner ring. Replace inner ring and bring parking lot up to level with asphalt patch.	in progress
PW-4 UE Level	Asphalt around Underground Enclosure has sunk, leaving it vulnerable to damage. Bring parking lot up to level with asphalt patch.	in progress
Install MW Ring	Piezimeter in Agway Site parking lot was damaged by the road repair crew. To instal new Monitoring Well Ring around damaged Piezometer for protection.	in progress
Rebuild JAC Pump as needed	Jesco America Corp recommends rebuilding the Redux pump when needed. Purchased rebuild kit.	in progress
Brace Effluent Pipe	David Szymanski (NYSDEC) inspected Treatment Room and said that the effluent pipe should be braced in (3) places to the north wall.	in progress
Inspect and clean Manholes	Inspect manholes near operating pumps. Pump out water in manholes and clean out remaining sediment and other material.	in progress
Purge PW-5	Inspect, purge well, clean pump, plastic pipe and transducer. Trouble shoot problems.	in progress
Agway Shed Concrete Dump	Approximately 1/4 yard of concrete was washed out on the north side of the Agway Shed. Concrete should be removed.	in progress
Trim Broken Piezometers	Many of the piezometers are broken. Measuring water levels is not precise when a pipe is broken. Identify and trim all broken piezometers.	in progress
Repair Filter Basket	The handle loop on a filter basket broke. Weld handle back in place.	Jan-11
Cool Treatment Room	Temperature in Treatment Room is well above 90 degrees during the summer months. Need to increase outside air inflow to the room.	in progress
Replace Slit Filter Basket	An old bag filter basket that was repaired once has split open down its side. Order (2) more of the heavy duty filter baskets from Rosedale Products.	Nov-10
PW-8 Well Pump not cycling down	The well pump stays on and the water level does not drop. Horizontal line could be plugged. Inspect and clean well pump and transducer. Purge horizontal line.	in progress
Replace Air Stripper Exhaust	Present Air Stripper exhaust is very heavy and leaks moisture. Replace with lighter system.	in progress
Repair Redux Line	Redux line has (2) leaks. Repair the line.	Dec-10
Repair Corrosion Hole in Air Stripper	Corrosion hole started to leak after Air Stripper pressure was increased. Repair hole with JB Weld.	Dec-10
Redux Guage accumulating deposits	Redux guage is difficult to read because of built up deposits. Disassemble unit and clean.	Dec-10
Add Inline filter to Compressor	The Condensate Removal Valve (CRV) on the Air Compressor gets stuck open by occasional pieces of debris from the air tank. Put filter on hose before the CRV.	in progress
PanelView Light not working	Bulb increasingly needs to be jiggled before it will light. Inspect bulb when it no longer lights and repair the problem. Bulb is burned out. Replaced bulb.	Jan-11
PW-5 Well Pump not cycling down	The well pump stays on after the water level drops. Transducer could be bad. Inspect and clean well pump and transducer.	in progress
PZ-4B Repair	The inner ring has corroded causing the collapse of the top cover. Replace inner ring.	in progress
Air Stripper Leak	The top tray developed a corrosion hole that is leaking water. Prepare and seal the hole with J-B Weld.	Mar-11

Mr. C's CLEANERS OM&M
SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2011

as of Mar 11

ID	CLEAN & INSPECT PUMP	REPLACED PUMP	REPAIR PUMP	PIPE & PITLESS ADAPTER	CLEAN & INSPECT TRANSDUCER	REPLACE TRANSDUCER	REPAIR TRANSDUCER	PUMP OUT WELL	CLEAN OUT & INSPECT ELECTRICAL BOX	ELECTRICAL BOX REPAIR
RW - 1	May-10	Feb-08	May-10		May-10					
PW - 2	Aug 09, May 10	Jul-08			Aug 09, May 10	Sep-09		Aug-09		Sep-09
PW - 3	Aug 09, May 10	Jul-08		Repair adapter	Aug-09			Aug-09		
PW - 4	Sep 09, May 10	Dec-07	NEED		May-10			Jul 09, Sep 09	Sep-09	Sep-09
PW - 5		Jul-08			Mar-11		Sep-09			
PW - 6	Jul-09	Jun 08, Jul 09		Replace pipe 8/09	Apr 09, Aug 09	Sep-09		Aug-09	Aug 09, Sep 09	Jul 09, Sep 09
PW - 7	May 10, Oct 10	Nov 07, Jul 09, Oct 10		Replace pipe 8/09	Aug 09, May 10, Oct 10			Au 09, May 10		
PW - 8	Aug 09, May 10	Jul 08, Sep 09		Replace pipe 8/09	Aug 09, May 10			Aug 09, May 10		

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP STATUS - 2011

as of Mar 11

ID	NEEDS CLEANING & INSPECTION	NEEDS NEW PUMP	NEEDS P.A. OR PIPE	NEEDS WELL CLEAN-OUT	NEEDS HORIZONTAL LINE PURGE	NEEDS TRANSDUCER INSPECTION	NEEDS NEW TRANSDUCER	CLEANED & INSPECTED U.E.	NEEDS ANEROID BELLOWS	NEEDS U.E. CLEANED	NEEDS U.E. REPAIR
RW - 1	NO	NO		YES		NO	NO		YES	NO	YES - bolts
PW - 2	NO	NO		YES		NO			DONE 9/09	NO	YES - bolts
PW - 3	NO	NO	REPAIRED 8/09	DONE 8/09		NO	NO		YES	NO	NO
PW - 4	YES	NO		DONE 9/09		YES		YES 9/09	DONE 9/09	DONE	YES - Asphalt patch
PW - 5	YES	NO		YES		YES 2/11	problems 1/09 and 11/09		DONE	NO	NO
PW - 6	NO	DONE 8/09	Replaced pipe 8/09	DONE 8/09		YES 7/09	NO	YES 9/09	DONE 9/09	NO	DONE
PW - 7	NO	DONE 10/10	Replaced pipe 8/09	NO	DONE 10/10	NO	NO		DONE	NO	NO
PW - 8	YES	DONE 9/09	Replaced pipe 8/09	NO	YES	YES	NO		YES	NO	NO

Attachment B
Analytical Report from
Mitkem Laboratories

Analytical Data Package Work Order ID: K0329

Sampled: March 2, 2011

Received: March 24, 2011

Report Date:
24-Mar-11 11:26



- Final Report
- Re-Issued Report
- Revised Report

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

Laboratory Report

Ecology and Environment Engineering P.C.
368 Pleasant View Drive
Lancaster, NY 14086

Work Order: K0329
Project: Mr. C's Dry Cleaning
Project #: 002700.DC13.02.01.01

Attn: Michael Steffan

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
K0329-01	INFLUENT	Aqueous	02-Mar-11 14:30	03-Mar-11 11:20
K0329-02	EFFLUENT	Aqueous	02-Mar-11 14:30	03-Mar-11 11:20

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Mitkem Laboratories.

All applicable NELAC or USEPA CLP requirements have been met.

Mitkem Laboratories is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page our web site at www.mitkem.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
Texas	T104704422-08-TX
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-05-030



Authorized by:

Yihai Ding
Laboratory Director

Technical Reviewer's Initials:

Sample Transmittal Documentation



A DIVISION OF SPECTRUM ANALYTICAL, INC. FEATURING HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Report To: E E E, Inc
360 Pleasantview Dr
Lawrence, NY 14086
(716) 684-8060
 Project Mgr: Mike Steffan

Invoice To: E E E, Inc
 P.O. No.: _____ RQN: _____

Project No.: _____
 Site Name: MCS O&M
 Location: East Aurora State: NY
 Sampler(s): R. Allen

Special Handling: Std
 TAT- Indicate Date Needed: _____
 All TATs subject to laboratory approval.
 Min. 24-hour notification needed for rushes.
 Samples disposed of after 30 days unless otherwise instructed.

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8= NaHSO₄ 9= _____ 10= _____ 11= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
 X1= _____ X2= _____ X3= _____

List preservative code below:

-	4	2
---	---	---

Containers:

# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic
2	1	1	1

Analyses:

pH	VOC	Hardness
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓

QA/QC Reporting Level

- Level I
- Level II
- Level III
- Level IV
- Other CAT

State specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix
K0329					
01	INFLUENT	3/2/2011	2:30P	G	GW
01	INFLUENT		2:30P	G	GW
01	INFLUENT		2:30P	G	GW
02	EFFLUENT		2:30P	G	GW
02	EFFLUENT		2:30P	G	GW
02	EFFLUENT		2:30P	G	GW

Reinquished by: _____ Received by: _____ Date: _____ Time: _____

Richard C Allen Jr
 3.3.11 11:20p

E-mail to msteffan@ene.com
 EDD Format PDF

Condition upon receipt: Iced Ambient °C 20

MITKEM LABORATORIES
Sample Condition Form

Received By: CAN Reviewed By: AT Date: 3/3/11 Mitkem Work Order #: K0329

Client Project: mcc Client: E48 Soil Headspace or Air Bubble ≥ 1/4"

	Lab Sample ID	Preservation (pH)					VOA Matrix	
		HNO ₃	H ₂ SO ₄	HCl	NaOH	H ₃ PO ₄		
1) Cooler Sealed <u>Yes / No</u>	<u>K0329 01</u>	<u>22</u>					<u>H</u>	
	<u>K0329 02</u>	<u>22</u>					<u>H</u>	
2) Custody Seal(s) <u>Present / Absent</u> <u>Coollers / Bottles</u> <u>Intact / Broken</u>								
3) Custody Seal Number(s) <u>NA</u>								
4) Chain-of-Custody <u>Present / Absent</u>								
5) Cooler Temperature <u>3⁰⁰</u> IR Temp Gun ID <u>MT-1</u> Coolant Condition <u>ICE</u>								
6) Airbill(s) <u>Present / Absent</u> Airbill Number(s) <u>OPS</u> <u>12FRB7851399739770</u>								
7) Samples Bottles <u>Intact / Broken / Leaking</u>								
8) Date Received <u>3/3/11</u>								
9) Time Received <u>8 11:40</u> <u>CAN 3-3-11</u>								

CAN
3-3-11

Preservative Name/Lot No.: _____

VOA Matrix Key:
 US = Unpreserved Soil A = Air
 UA = Unpreserved Aqueous H = HCl
 M = MeOH E = Encore
 N = NaHSO₄ F = Freeze

See Sample Condition Notification/Corrective Action Form yes / no
 Form ID: QAF.0006 Rad OK / no



* Volatiles *

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: K0329 Mod. Ref No.: _____ SDG No.: SK0329
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K0329-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A2249.D
 Level: (TRACE/LOW/MED) LOW Date Received: 03/03/2011
 % Moisture: not dec. Date Analyzed: 03/10/2011
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	µG/L	
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		10	U
75-35-4	1,1-Dichloroethene		10	U
67-64-1	Acetone		50	U
75-15-0	Carbon disulfide		10	U
75-09-2	Methylene chloride		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
1634-04-4	Methyl tert-butyl ether		11	
75-34-3	1,1-Dichloroethane		10	U
78-93-3	2-Butanone		50	U
156-59-2	cis-1,2-Dichloroethene		49	
67-66-3	Chloroform		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon tetrachloride		10	U
107-06-2	1,2-Dichloroethane		10	U
71-43-2	Benzene		10	U
79-01-6	Trichloroethene		81	
78-87-5	1,2-Dichloropropane		10	U
75-27-4	Bromodichloromethane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
108-10-1	4-Methyl-2-pentanone		50	U
108-88-3	Toluene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
127-18-4	Tetrachloroethene		1400	
591-78-6	2-Hexanone		50	U
124-48-1	Dibromochloromethane		10	U
106-93-4	1,2-Dibromoethane		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
1330-20-7	Xylene (Total)		10	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: K0329 Mod. Ref No.: _____ SDG No.: SK0329
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K0329-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A2249.D
 Level: (TRACE/LOW/MED) LOW Date Received: 03/03/2011
 % Moisture: not dec. Date Analyzed: 03/10/2011
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	µg/L	
100-42-5	Styrene		10	U
75-25-2	Bromoform		10	U
98-82-8	Isopropylbenzene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
541-73-1	1,3-Dichlorobenzene		10	U
106-46-7	1,4-Dichlorobenzene		10	U
95-50-1	1,2-Dichlorobenzene		10	U
96-12-8	1,2-Dibromo-3-chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		10	U
110-82-7	Cyclohexane		10	U
79-20-9	Methyl acetate		10	U
108-87-2	Methylcyclohexane		10	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: K0329 Mod. Ref No.: _____ SDG No.: SK0329
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K0329-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A2247.D
 Level: (TRACE/LOW/MED) LOW Date Received: 03/03/2011
 % Moisture: not dec. Date Analyzed: 03/10/2011
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	µG/L	
75-71-8	Dichlorodifluoromethane		1.0	U
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-69-4	Trichlorofluoromethane		1.0	U
75-35-4	1,1-Dichloroethene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		1.0	U
75-09-2	Methylene chloride		1.0	U
156-60-5	trans-1,2-Dichloroethene		1.0	U
1634-04-4	Methyl tert-butyl ether		1.0	U
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
156-59-2	cis-1,2-Dichloroethene		1.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
127-18-4	Tetrachloroethene		1.0	U
591-78-6	2-Hexanone		5.0	U
124-48-1	Dibromochloromethane		1.0	U
106-93-4	1,2-Dibromoethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylene (Total)		1.0	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: K0329 Mod. Ref No.: _____ SDG No.: SK0329
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K0329-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A2247.D
 Level: (TRACE/LOW/MED) LOW Date Received: 03/03/2011
 % Moisture: not dec. Date Analyzed: 03/10/2011
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	µg/L	
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
98-82-8	Isopropylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U
110-82-7	Cyclohexane		1.0	U
79-20-9	Methyl acetate		1.0	U
108-87-2	Methylcyclohexane		1.0	U



* Wet Chemistry *

Mitkem Laboratories

Date: 10-Mar-11

Client: Ecology and Environment Engineering P.C.

Client Sample ID: INFLUENT

Project: Mr. C's Dry Cleaning

Lab ID: K0329-01

Collection Date: 03/02/11 14:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	640		4.0	mg/L CaCO3	1	03/09/2011 10:45	57869
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	7.2		1.0	S.U.	1	03/03/2011 12:07	R56749

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: 10-Mar-11

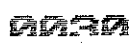
Client: Ecology and Environment Engineering P.C.
Client Sample ID: EFFLUENT
Lab ID: K0329-02

Project: Mr. C's Dry Cleaning
Collection Date: 03/02/11 14:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	650		4.0	mg/L CaCO3	1	03/09/2011 10:48	57869
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	8.2		1.0	S.U.	1	03/03/2011 12:08	R56749

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit



Mitekem Laboratories

ANALYTICAL QC SUMMARY REPORT

CLIENT: Ecology and Environment Engineering P.C.
Work Order: K0329
Project: Mr. C's Dry Cleaning

SM2340_W
SM 2340 -- HARDNESS by Calculation

Sample ID: MB-57869	SampType: MBLK	TestCode: SM2340_W	Prep Date: 03/08/11 11:15	Run ID: OPTIMA3_110309D
Client ID: MB-57869	Batch ID: 57869	Units: mg/L CaCO3	Analysis Date: 03/09/11 10:17	SeqNo: 1490002
Analyte	Result	MDL	SPK Ref Val	RPD Ref Val
Hardness, Ca/Mg (As CaCO3)	ND	0.30		
			LowLimit	HighLimit
			%REC	%RPD
			RPDLimit	RPDLimit
			Qual	Qual

4.0

Qualifiers: ND - Not Detected at the Reporting Limit S - Recovery outside accepted recovery limits MDL - Method Detection Limit B - Analyte detected in the associated Method Blank
 m11.03.07.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit



Attachment C
Summary of Site Utility Costs and Projections
January to December 2011

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs														ATTACHMENT C		
NYSDEC Work Assignment #DC13.02.01.01																
12 Months of System Operation and Maintenance																
March 2011 Report																
Gas, Telephone, and Electric	Utility Provider	Account #	E&E Cost Center	Description	Jan-2011	Feb-2011	Mar-2011	Apr-2011	May-2011	Jun-2011	Utility Budget:	Electric:	Telephone:	Gas	Total:	
	New York State E&G	08-311-11-002616-26	002700.DC13.02.01	Mr. C's Electric Costs	\$1,885.72	\$ 1,872.70	\$ 1,185.19									\$25,800.00
	New York State E&G	76-311-11-015900-18		Agway Site - Electric			\$496.68									\$540.00
	National Fuel Gas	5819628-05	002700.DC13.02.01	Mr. C's Natural Gas Costs	\$147.49	\$ 485.43	\$ 207.47									\$720.00
				Totals	\$ 1,833.21	\$ 2,158.13	\$ 1,889.34	\$ -	\$ -	\$ -						\$27,060.00
				Mr. C's Electric Costs				Oct-2011	Nov-2011	Dec-2011						
				Agway Electric												
				Mr. C's Natural Gas Costs												
				Totals	\$0.00	\$ -	\$ -	\$ -	\$ -	\$ -						
				Electric		\$5,040.29										
				Natural Gas		\$ 840.39										
				Grand Total - NYSE&G/National Fuel Gas Costs To Date	\$	5,880.68										
Notes:														Overbilled natural gas costs - no charges \$ 333.44 in red -adjusted billing		

Phone	Utility Provider	Phone #	E&E Cost Center	Location Description	Jan-2011	Feb-2011	Mar-2011	Apr-2011	May-2011	Jun-2011	Estimate Reading	Ave./Month
	Verizon	716-652-0094	002700.DC13.02.01	Mr. C's Telephone Costs	\$ 31.01	\$ 31.40						\$ 1514.54
	Account#	716 652 0094 416 26 2										\$ 165.56
												\$ 280.13
												\$ 1,960.23
				Grand Total - Verizon Costs to Date	\$	62.41						
				Grand Total All Utilities To Date	\$	5,943.09						\$ 5.67

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs

NYSDEC Work Assignment #DC13

12 Months of System Operation and Maintenance

March 2011 Report

	Optimum Operating Hours	Actual Operating Hours	Up-time Percentage	Capacity	Comments:	Budget Remaining:	Electric:	Total
January-10	648	648	100.00%	12.1%	Very cold January.			\$20,759.71
February-10	840	840	100.00%	12.0%	Cold and rainy		Telephone:	\$540.00
March-10	528	528	100.00%	14.0%	Rainy		Gas	-\$120.39
April-10			#DIV/0!					
May-10			#DIV/0!					
June-10			#DIV/0!					
July-10			#DIV/0!					
August-10			#DIV/0!					
September-10			#DIV/0!					
October-10			#DIV/0!					
November-10			#DIV/0!					
December-10			#DIV/0!					
Totals to Date	2016	2016	100.00%				Total:	\$21,179.32

* Percent Capacity is based on initial operating groundwater flows from the eight installed pumps from 9/02. Evaluated on total gallons discharged for monthly operating time. Maximum pump discharges calculated as an average of 78 gpm as the total for all 8 pumps at the site if all pumps operate 100%. With the exception of groundwater pump RW-1, all others run on a batch basis.

Monthly Average Costs

Mr. C's Electric	\$	1,514.54
Agway Electric	\$	165.56
Mr. C's Gas	\$	280.13
Mr. C's Telephone	\$	5.67
Ave. Utility Cost Total	\$	1,965.90

12 month Estimate \$25,556.70

Total Gallons 345421